Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP \_\_\_\_\_\_\_\_

CW#22H: Transformations Quiz Review

Honors Geometry

Due: Friday, October 9th

Failure to show work will result in a LaSalle. QUIZ TOMORROW!

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| 1. Parallel lines:  (a) What are the features of parallel lines?  (b) What transformation produces parallel lines?  (c) The line f(x) = -4x+3 is shifted 5 unites down to f1(x). Describe the change and graph f(x) and f1(x).  http://s3.amazonaws.com/edcanvas-uploads/117591/local/1380306229/coordinate-plane1-1005x1024.png | 2. Perpendicular lines:  (a) What are the features of perpendicular lines?  (b) What transformation produces perpendicular lines?  (c) The line f(x) = -4x+3 is rotated 90 about the origin to f1I(x). Describe the change and graph f(x) and f1I(x).  http://s3.amazonaws.com/edcanvas-uploads/117591/local/1380306229/coordinate-plane1-1005x1024.png |
| 3. Draw a 90 degree angle. | 5. Is the image below an example of a reflection, how do you know? If not, what are two possible transformations that took place?  http://textbooks.cpm.org/images/ccg/chap01/1-51b.png |
| 4. Draw a 180 degree angle. |

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| 6. Reflect the shape over the given line of reflection.  Macintosh HD:Users:jholcomb:Desktop:Screen Shot 2014-08-22 at 12.22.08 PM.png | 7. Reflections: Reflect the point A (-1, -2) over:  (a) y=4. Label the point A1.  (b) x=1. Label the point A11.  (c) y=x. Label the point A111.  http://s3.amazonaws.com/edcanvas-uploads/117591/local/1380306229/coordinate-plane1-1005x1024.png |
| 8. How do you reflect a point over x=1? Describe the process. | 9. How do you reflect a point over y=x? Describe the process. |
| 10. Rotate point B(4,-4) 90 clockwise, label it CW. Rotate point B 90 degrees counter-clockwise, label it CCW.  http://s3.amazonaws.com/edcanvas-uploads/117591/local/1380306229/coordinate-plane1-1005x1024.png | 11. Rotate the shape 180 degrees clockwise. |